

INTERNATIONAL SEARCH REPORT

PCT/IB/03913

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/09 G11B20/10 G11B20/14 G11B20/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 569 082 A (PHILIPS ELECTRONICS NV) 10 November 1993 (1993-11-10) column 3, line 22 - line 31 column 3, line 43 - line 47 column 5, line 9 - column 6, line 22 figure 4	1,5,8,11
A	EP 1 184 850 A (VICTOR COMPANY OF JAPAN) 6 March 2002 (2002-03-06) figures 4,6,14 paragraph '0061! - paragraph '0062! paragraph '0068! - paragraph '0070! paragraph '0080! paragraph '0088! paragraph '0121!	1,2,4-11



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

11 February 2004

Date of mailing of the international search report

23/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) & JP 11 066578 A (SANYO ELECTRIC CO LTD), 9 March 1999 (1999-03-09) abstract ---	1,5,8,11
A	US 5 850 081 A (YANAGISAWA TAKUMA) 15 December 1998 (1998-12-15) column 8, line 27 - line 62 figures 7,8 ---	1,5,8,11
A	IBRAHIM H M: "CONJUGATE GRADIENT ALGORITHM FOR ADAPTIVE FINITE IMPULSE RESPONSE DIGITAL FILTERS" INTERNATIONAL JOURNAL OF ELECTRONICS, TAYLOR AND FRANCIS.LTD. LONDON, GB, vol. 70, no. 3, 1 March 1991 (1991-03-01), pages 539-547, XP000219796 ISSN: 0020-7217 ---	
P,A	WO 03 017260 A (RESCHKE UWE ;BUECHLER CHRISTIAN (DE); THOMSON LICENSING SA (FR)) 27 February 2003 (2003-02-27) the whole document ---	1,2,5,6, 8,9,11
P,A	WO 03 017261 A (BUECHLER CHRISTIAN ;THOMSON LICENSING SA (FR)) 27 February 2003 (2003-02-27) the whole document -----	1,2,5,6, 8,9,11

INTERNATIONAL SEARCH REPORT

PCT/IB/03913

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0569082	A	10-11-1993	NL 9200808 A	01-12-1993
			DE 69313509 D1	09-10-1997
			DE 69313509 T2	05-03-1998
			EP 0569082 A1	10-11-1993
			JP 7287848 A	31-10-1995
			US 5631892 A	20-05-1997
EP 1184850	A	06-03-2002	JP 2002056532 A	22-02-2002
			CN 1341922 A	27-03-2002
			EP 1184850 A2	06-03-2002
			US 2002036967 A1	28-03-2002
			JP 2002183952 A	28-06-2002
JP 11066578	A	09-03-1999	NONE	
US 5850081	A	15-12-1998	JP 10064080 A	06-03-1998
WO 03017260	A	27-02-2003	DE 10140325 A1	27-02-2003
			WO 03017260 A2	27-02-2003
WO 03017261	A	27-02-2003	DE 10140326 A1	27-02-2003
			WO 03017261 A1	27-02-2003